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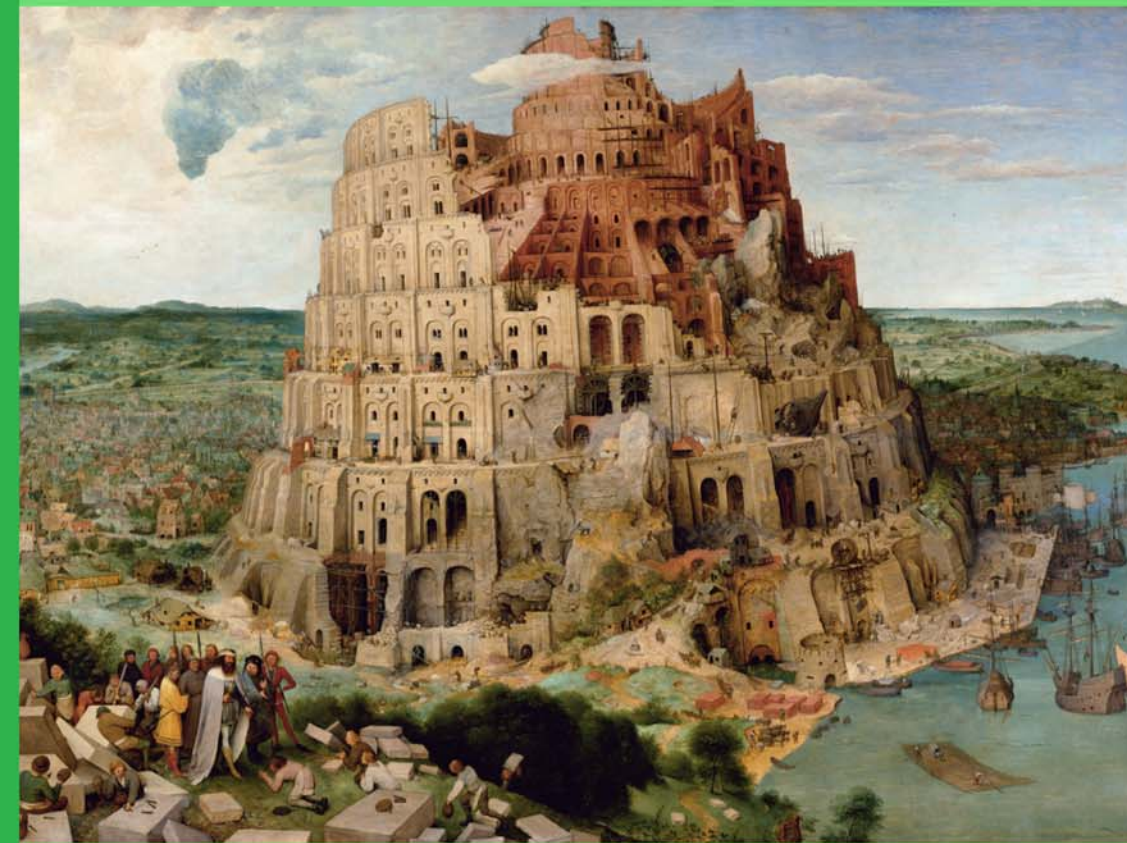
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Organizations that exist in modern society and nature are characterized by a great variety of structures and dynamics. Many modern organizations involve a great number of actors with diverse goals performing for a wide range of tasks that operate in a complex, dynamic environment with insufficient resources.

Due to a high structural and behavioral complexity of many human organizations, mistakes, inconsistencies and performance bottlenecks are not rare in such organizations. With the increase of organizational complexity the possibility of rapid and reliable analysis of organizations is becoming increasingly important.

In this dissertation a number of automated organization modeling and analysis methods have been introduced. These methods have been described along several dedicated modeling views on organizations and have been integrated into a general organization modeling and analysis framework. The developed framework aims at addressing current needs both of academic organization theory and of organizational practitioners for automated techniques and means that enable manifold, reliable computational analysis of complex organizations of different types.

On Computer-Aided Methods for Modeling and Analysis of Organizations



Alexei Sharpanskykh